

# 36

# LAPMASTER®

## Precision Pneumatic-Lift Pad Polishing Machine: 36PL-3R



### STANDARD FEATURES

Heavy duty floor standing base with integrally mounted drive motor and reduction gearbox.

Three conditioning ring assemblies driven by separate motor/gearbox mounted on bridge assembly (positive drive).

Three pneumatic cylinders for raising and lowering pressure plates.

Safety locking mechanism to support pressure plates in the raised position

Peristaltic pump slurry delivery system with three pump heads, variable speed mix motor, and 20 liter slurry & waste tanks

Corrosion resistant plastic slurry trough and stainless steel wetted hardware

### OPTIONAL FEATURES

Water-cooled polishing plate

Full enclosure with door interlocks, fan, internal lighting, and exhaust vent

PLC & touch screen control system

Stainless steel polish plate

### SPECIFICATIONS

Main Drive: 5.5kW, 15 – 95 RPM

Ring Dimensions: 420mm OD x 368mm ID x 88mm T

Ring Material: Stainless Steel & UHMWPE

Pneumatic Cylinders: 80mm Bore x 400mm Stroke

Slurry Flow Rate: 170ml/min/head (510ml/min total)

Ring Drive: 1.5kW, 15 – 95 RPM

Power: 380 Volts AC, 3-Phase, 50 Hz

Required Air Pressure: 4 bar (max)

1,234mm D / 1,505mm W / 2,240mm H

Weight: 1,250kgs

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# Precision Pneumatic Lift Pad Polishing Machine: 36PL-3R

Technical drawing of the Precision Pneumatic Lift Pad Polishing Machine (36PL-3R). The drawing includes front, side, and top views with dimensions. The front view shows a width of 36.00 inches and a height of 48.00 inches. The side view shows a depth of 24.00 inches. The top view shows a width of 36.00 inches and a depth of 24.00 inches. A 3D perspective view is also provided.

PART NO.	DESCRIPTION	QTY
36PL-3R	PRECISION PNEUMATIC LIFT PAD POLISHING MACHINE	1
36PL-3R-001	FRONT PANEL	1
36PL-3R-002	BACK PANEL	1
36PL-3R-003	LEFT SIDE PANEL	1
36PL-3R-004	RIGHT SIDE PANEL	1
36PL-3R-005	TOP PANEL	1
36PL-3R-006	BASE PANEL	1
36PL-3R-007	FRONT PANEL ASSEMBLY	1
36PL-3R-008	BACK PANEL ASSEMBLY	1
36PL-3R-009	LEFT SIDE PANEL ASSEMBLY	1
36PL-3R-010	RIGHT SIDE PANEL ASSEMBLY	1
36PL-3R-011	TOP PANEL ASSEMBLY	1
36PL-3R-012	BASE PANEL ASSEMBLY	1
36PL-3R-013	FRONT PANEL ASSEMBLY	1
36PL-3R-014	BACK PANEL ASSEMBLY	1
36PL-3R-015	LEFT SIDE PANEL ASSEMBLY	1
36PL-3R-016	RIGHT SIDE PANEL ASSEMBLY	1
36PL-3R-017	TOP PANEL ASSEMBLY	1
36PL-3R-018	BASE PANEL ASSEMBLY	1

**REVISIONS**

NO.	DATE	DESCRIPTION
1	01/10/10	ISSUE FOR PRODUCTION

**DESIGNER:** [Name]  
**CHECKED BY:** [Name]  
**DATE:** 01/10/10

**APPROVED BY:** [Signature]

**DATE:** 01/10/10

**SCALE:** 1:1

**SHEET:** 1 OF 1

**36 PL-3 RING MACHINE**

**PRECISION PNEUMATIC LIFT PAD POLISHING MACHINE**

**36PL-3R-001**

**FRONT PANEL**

**36PL-3R-002**

**BACK PANEL**

**36PL-3R-003**

**LEFT SIDE PANEL**

**36PL-3R-004**

**RIGHT SIDE PANEL**

**36PL-3R-005**

**TOP PANEL**

**36PL-3R-006**

**BASE PANEL**

**36PL-3R-007**

**FRONT PANEL ASSEMBLY**

**36PL-3R-008**

**BACK PANEL ASSEMBLY**

**36PL-3R-009**

**LEFT SIDE PANEL ASSEMBLY**

**36PL-3R-010**

**RIGHT SIDE PANEL ASSEMBLY**

**36PL-3R-011**

**TOP PANEL ASSEMBLY**

**36PL-3R-012**

**BASE PANEL ASSEMBLY**

**36PL-3R-013**

**FRONT PANEL ASSEMBLY**

**36PL-3R-014**

**BACK PANEL ASSEMBLY**

**36PL-3R-015**

**LEFT SIDE PANEL ASSEMBLY**

**36PL-3R-016**

**RIGHT SIDE PANEL ASSEMBLY**

**36PL-3R-017**

**TOP PANEL ASSEMBLY**

**36PL-3R-018**

**BASE PANEL ASSEMBLY**

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